

Supporting Information

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Cellular Uptakes, Biostabilities and Anti-miR-210 Activities of Chiral Arginine-PNAs in Leukaemic K562 Cells

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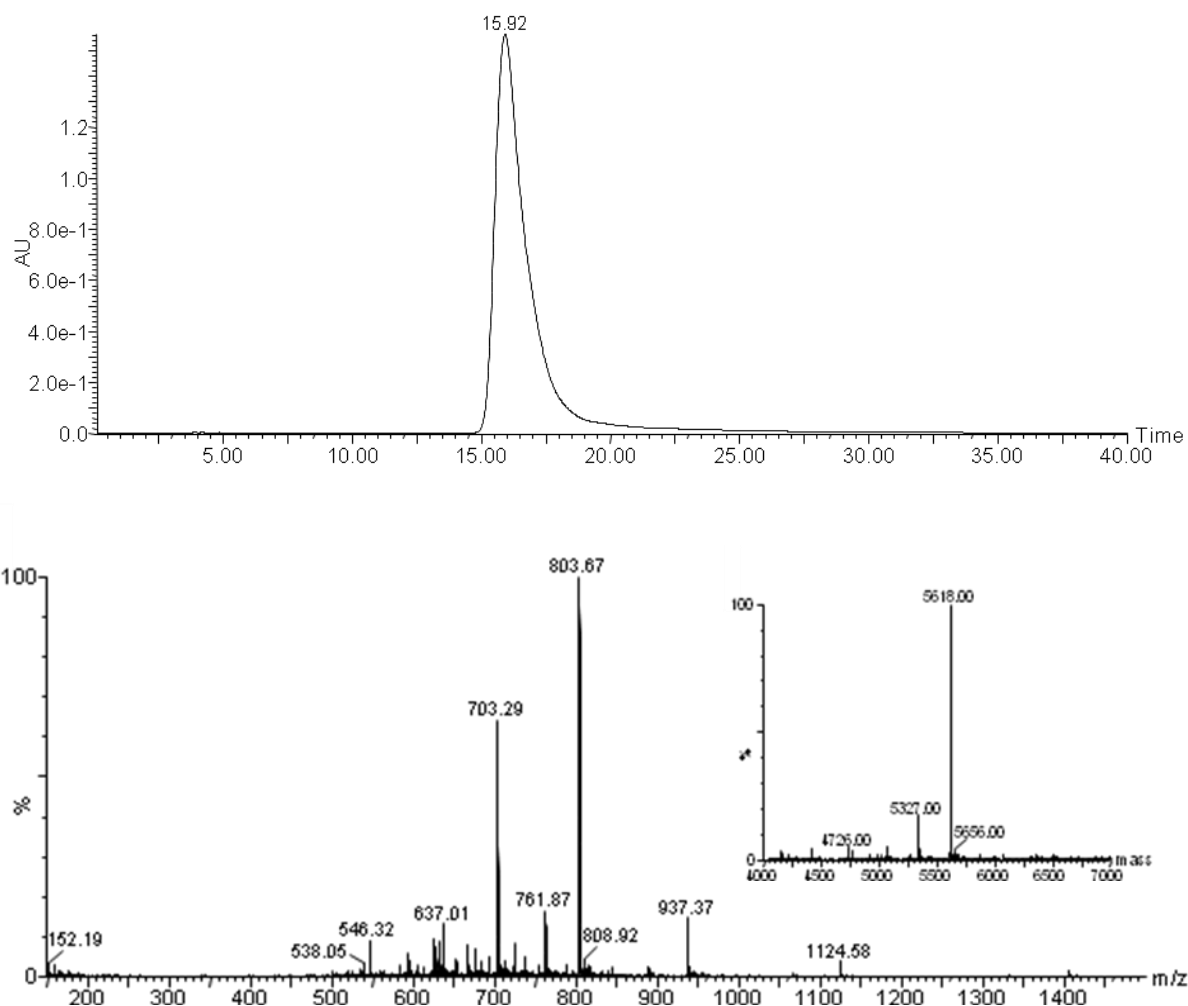


Figure S1. HPLC-DAD trace of **PNA3** measured at 260nm (top), ESI-Q spectrum of the corresponding peak (bottom) and its deconvolution spectrum (insert).

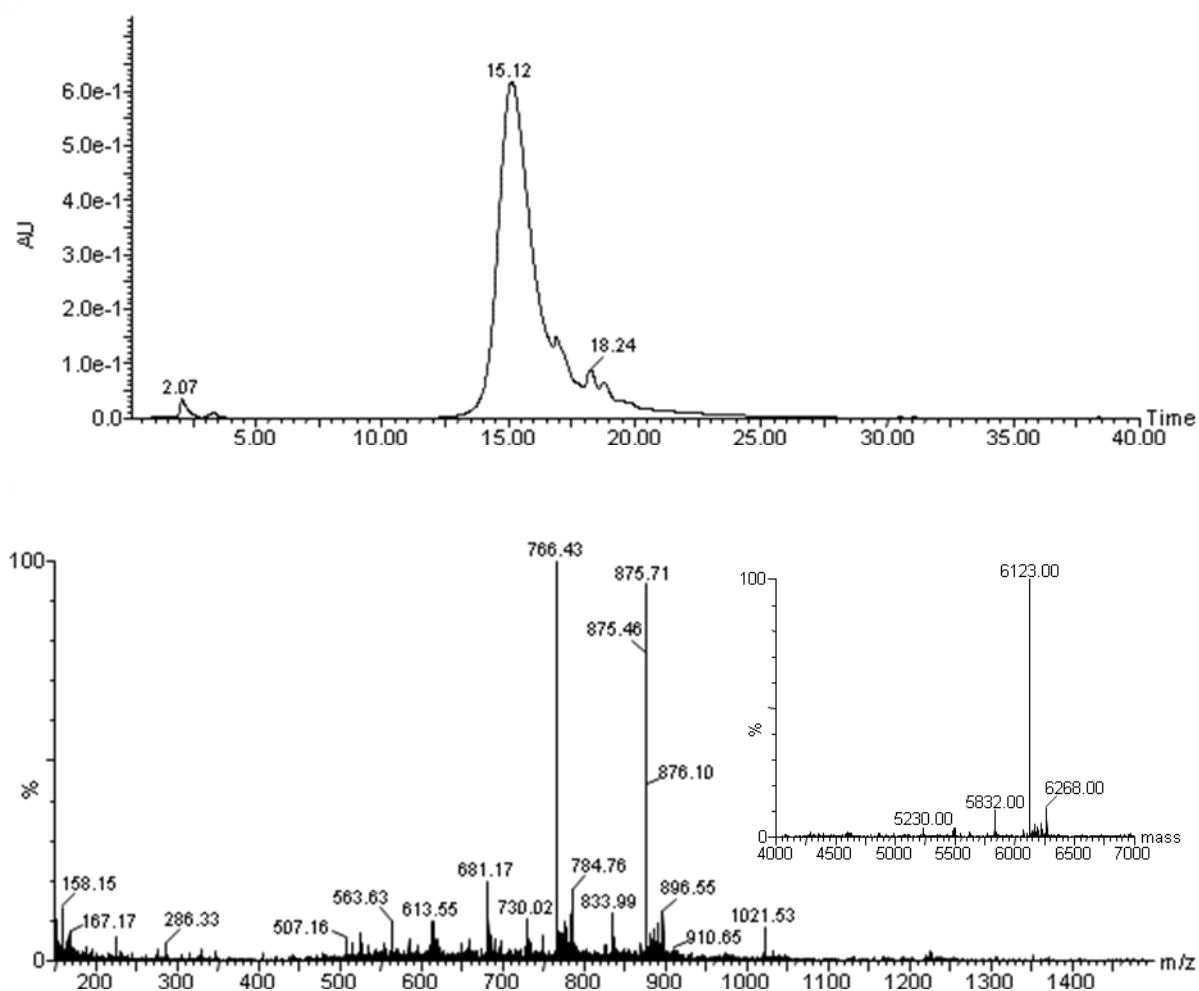


Figure S2. HPLC-DAD trace of **PNA3-FI** measured at 260nm (top), ESI-Q spectrum of the corresponding peak (bottom) and its deconvolution spectrum (insert).

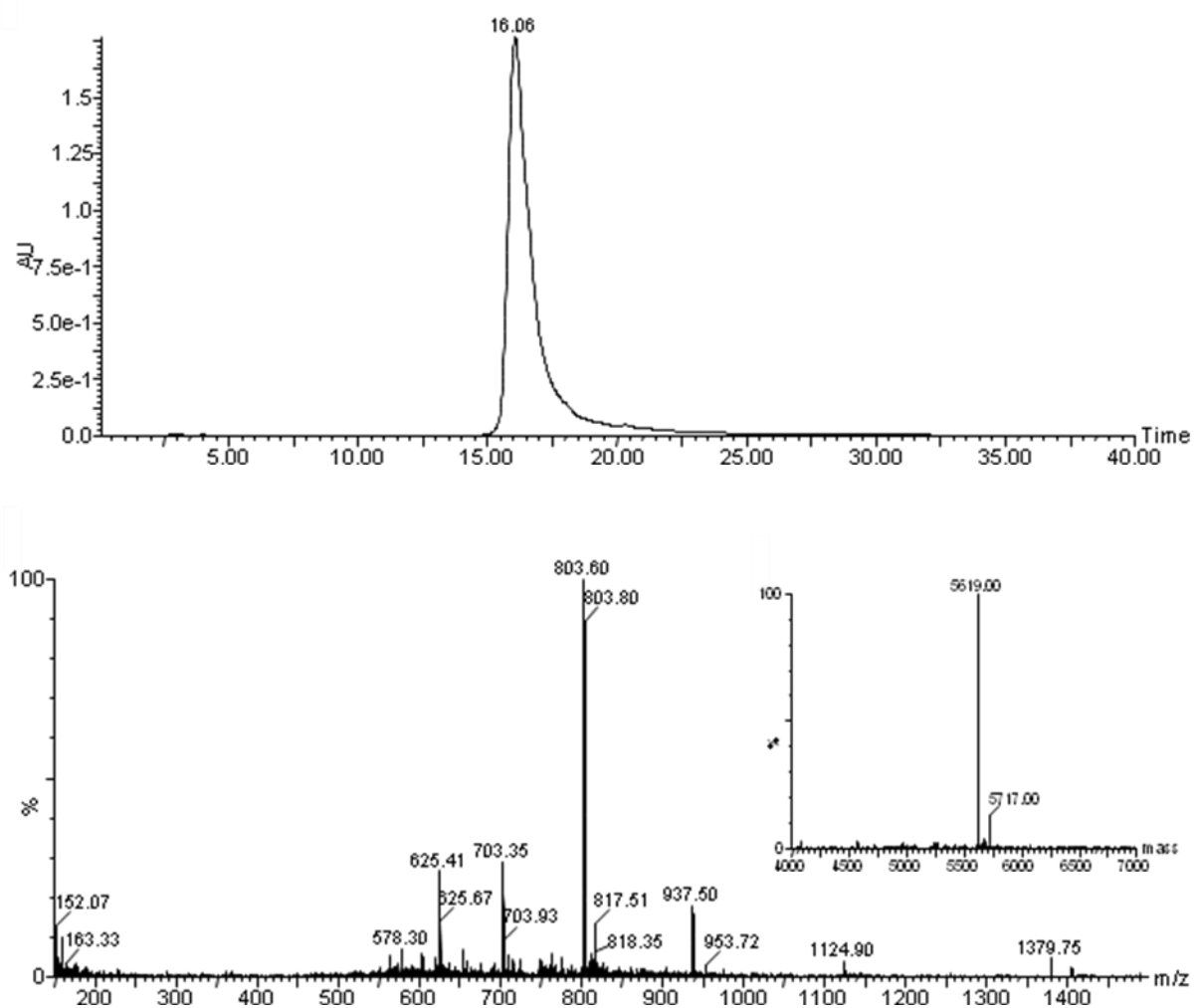


Figure S3. HPLC-DAD trace of **PNA4** measured at 260nm (top), ESI-Q spectrum of the corresponding peak (bottom) and its deconvolution spectra (insert).

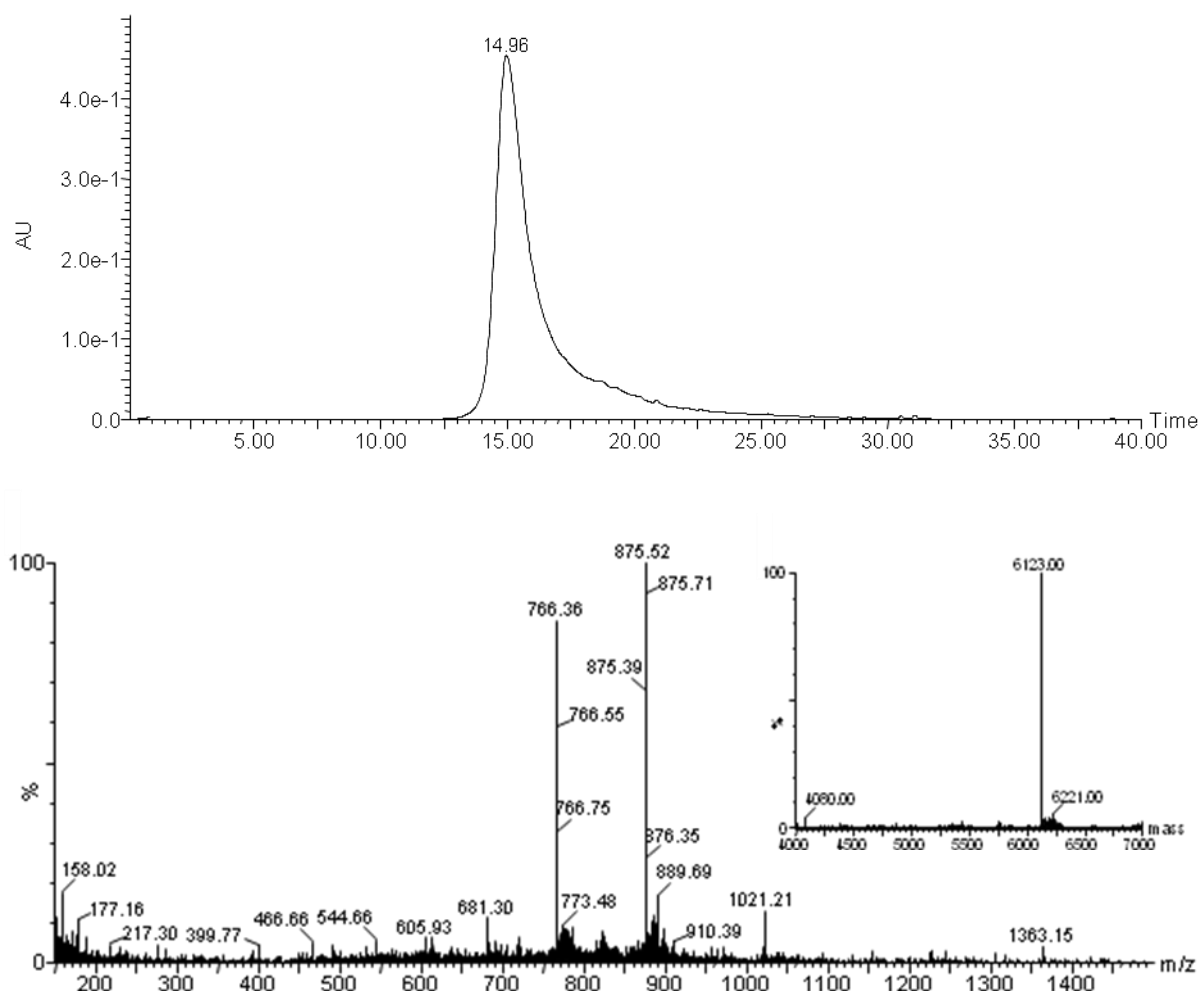


Figure S4. HPLC-DAD trace of **PNA4-FI** measured at 260nm (top), ESI-Q spectrum of the corresponding peak (bottom) and its deconvolution spectrum (insert).

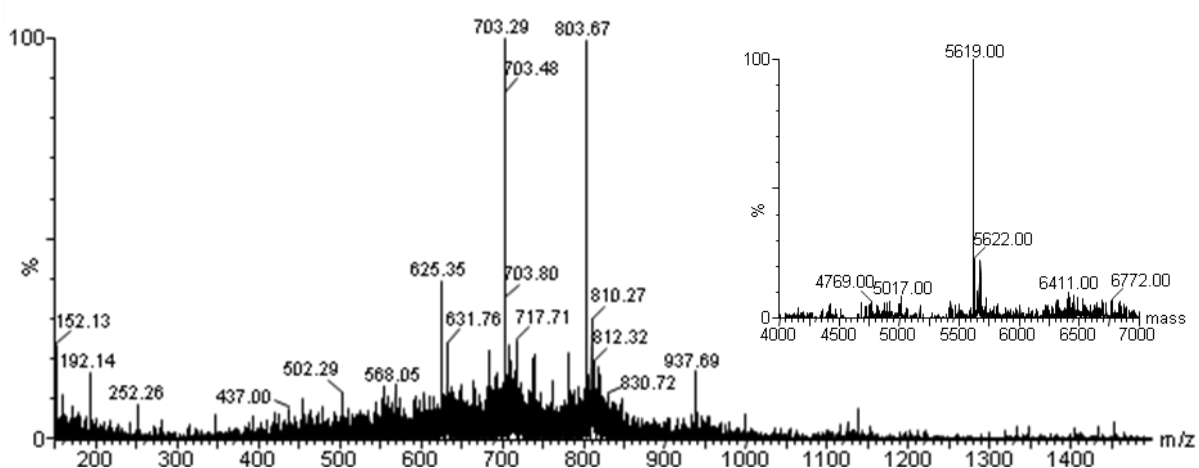
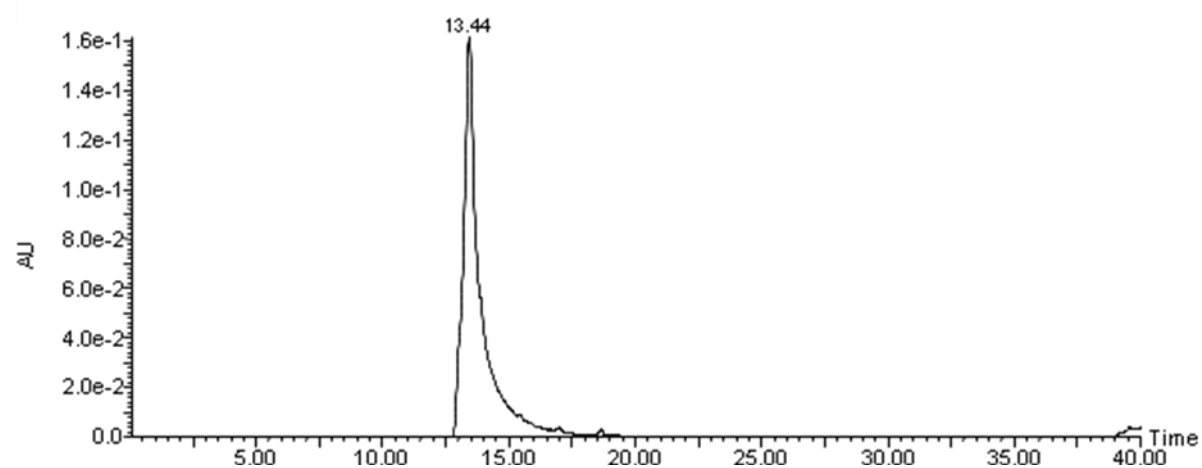


Figure S5. HPLC-DAD trace of **PNA5** measured at 260nm (top), ESI-Q spectra of the corresponding peak (bottom) and its deconvolution spectrum (insert).

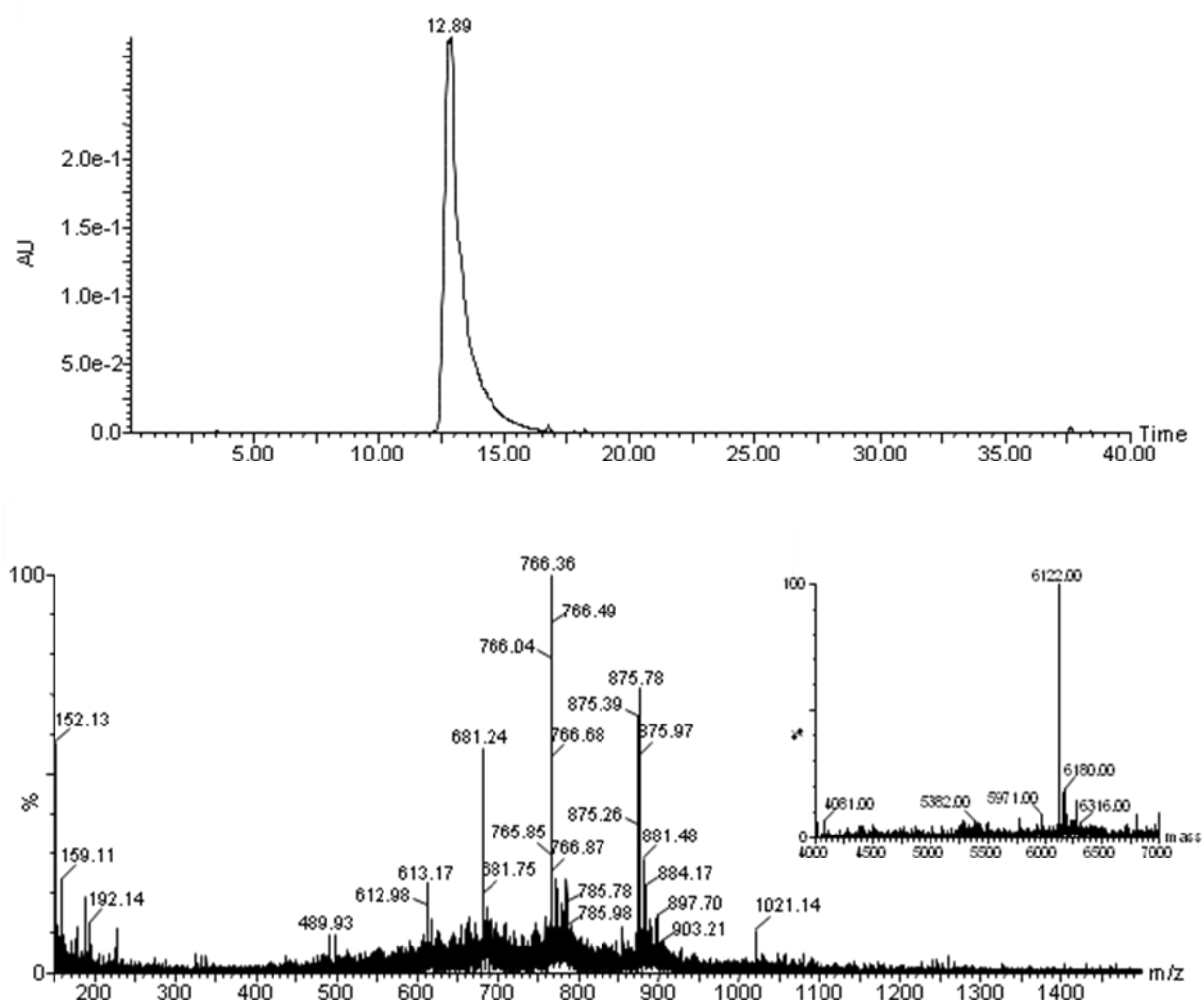


Figure S6. HPLC-DAD trace of **PNA5-FI** measured at 260nm (top), ESI-Q spectrum of the corresponding peak (bottom) and its deconvolution spectrum (insert).

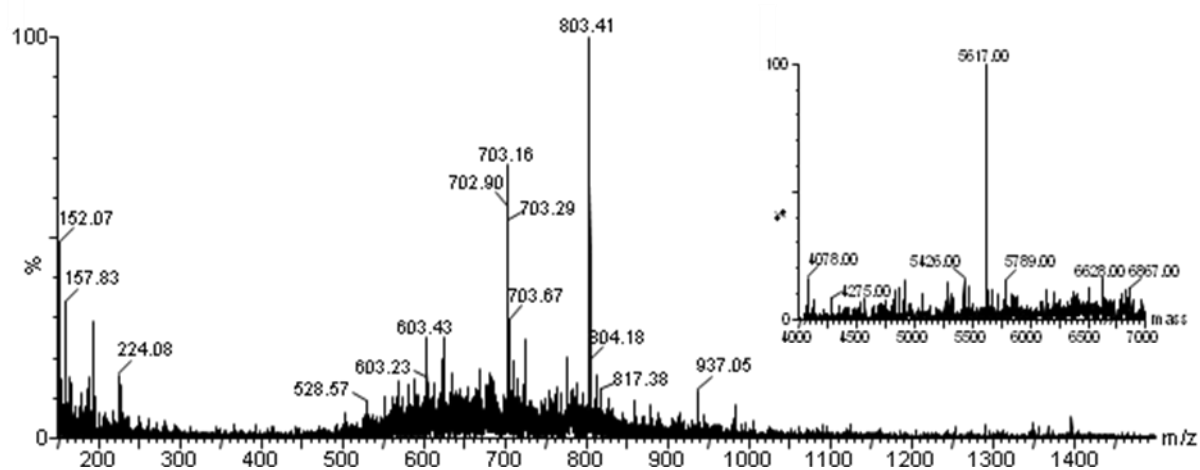
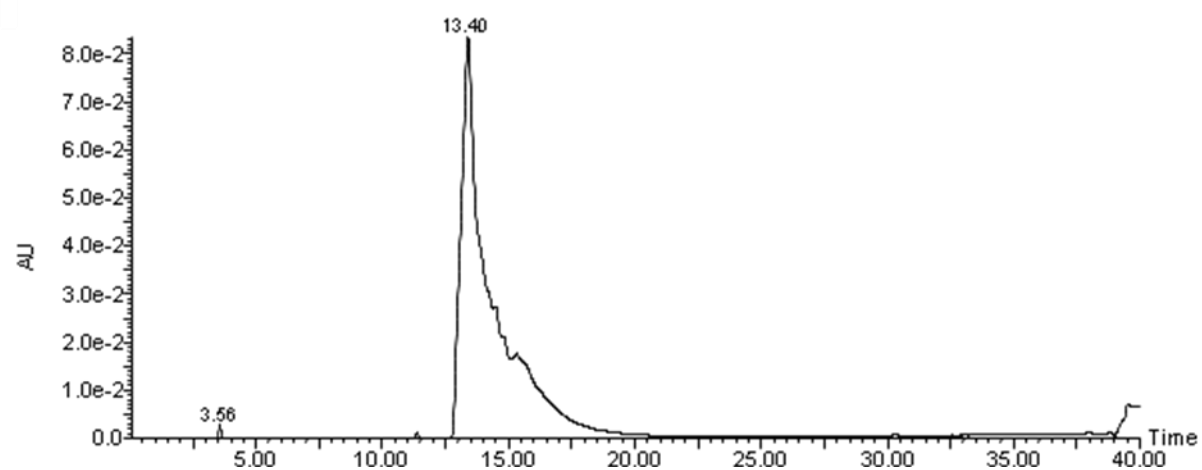


Figure S7. HPLC-DAD trace of **PNA6** measured at 260nm (top), ESI-Q spectrum of the corresponding peak (bottom) and its deconvolution spectrum (insert).

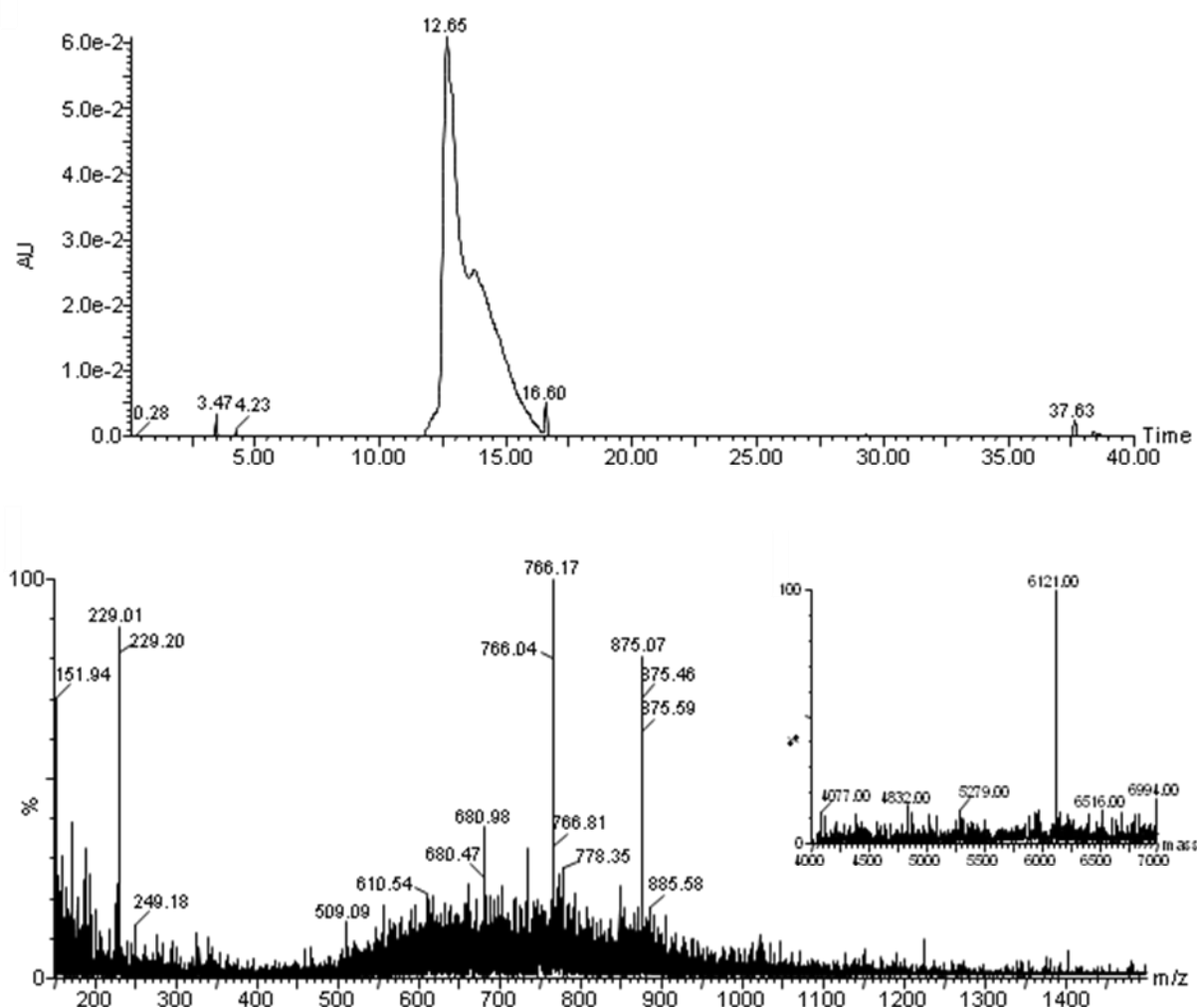


Figure S8. HPLC-DAD trace of **PNA6-FI** measured at 260nm (top), ESI-Q spectrum of the corresponding peak (bottom) and its deconvolution spectrum (insert).

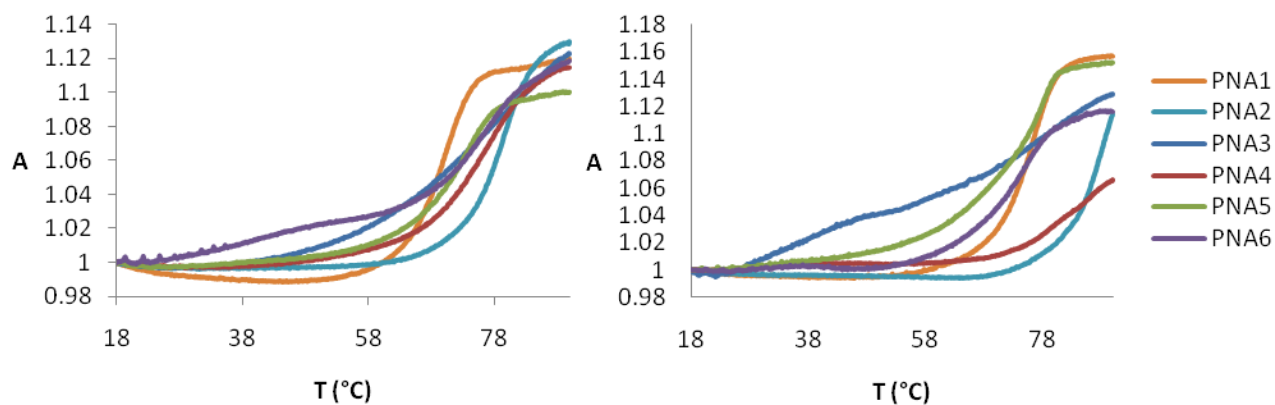


Figure S9. Melting profile of PNA:DNA duplexes (left) and PNA:RNA duplexes (right) measured at 260 nm in PBS pH 7, in presence of 5M urea. Strand concentration: 5 μ M.

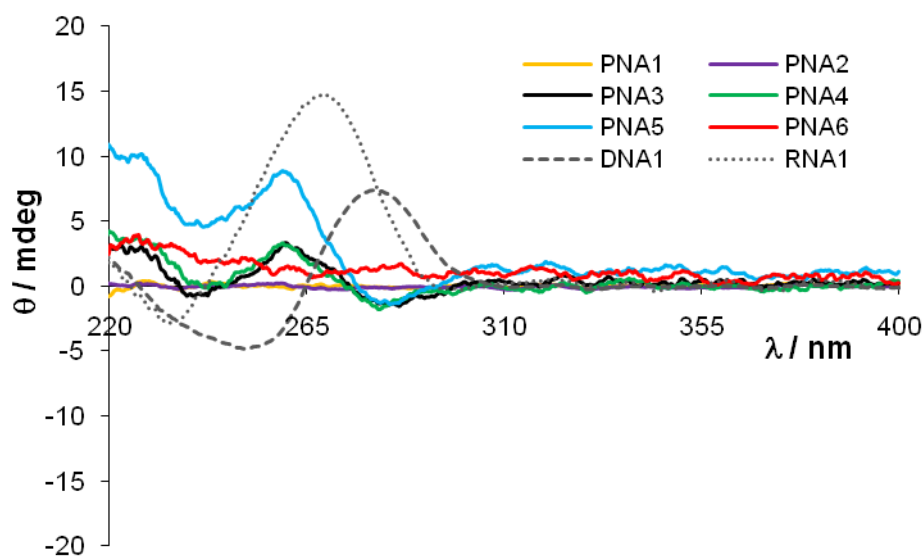


Figure S10. Circular dichroism of ssPNA, ssDNA and ssRNA, measured in PBS pH 7, strand concentration 5 μ M.